

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054846.D
 Acq On : 2 Sep 2022 18:59
 Operator : CG/JU
 Sample : N4488-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-3-090122

Quant Time: Sep 03 00:30:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

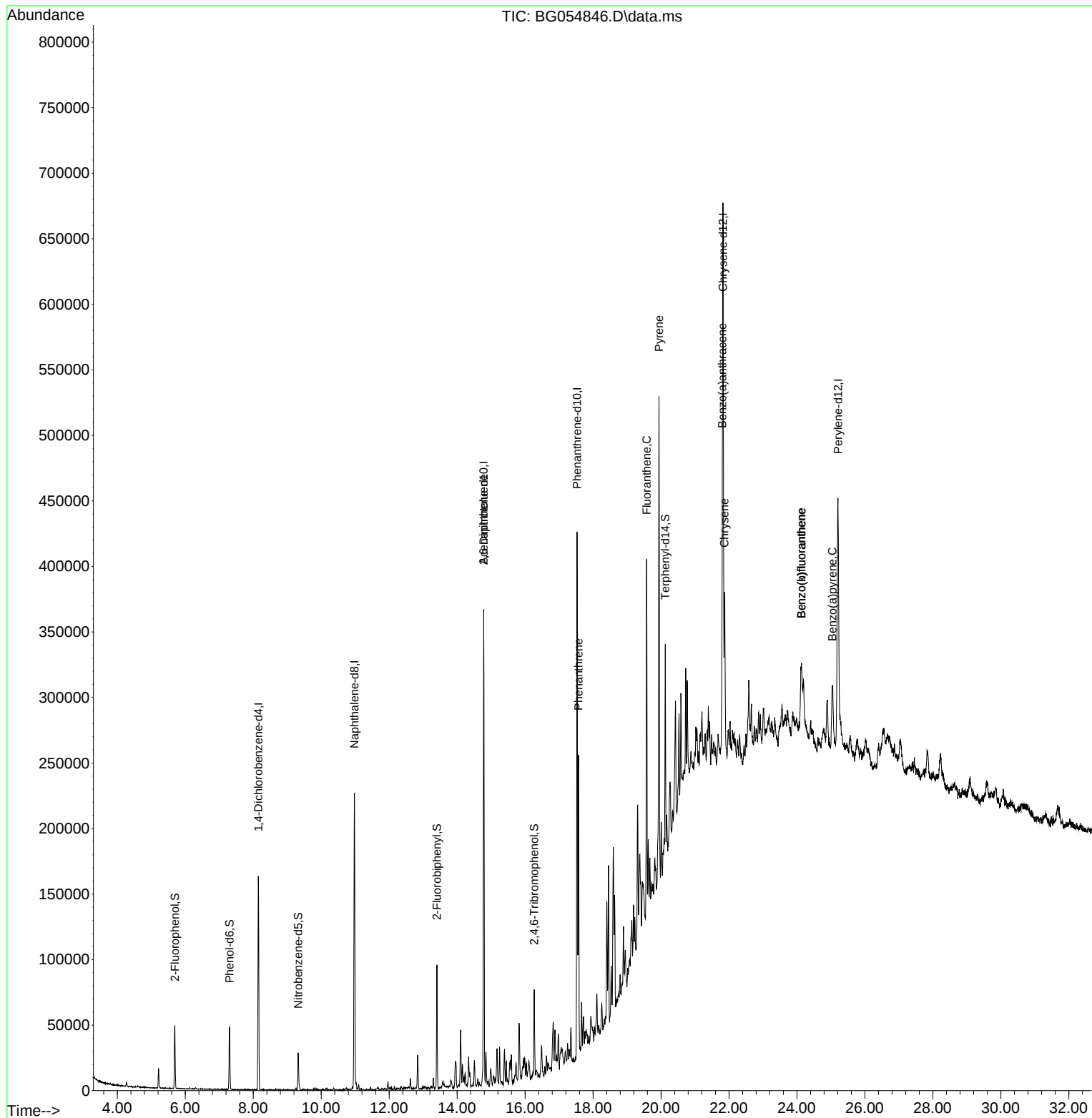
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	52059	20.000	ng	0.00
21) Naphthalene-d8	10.976	136	207180	20.000	ng	0.00
39) Acenaphthene-d10	14.783	164	132095	20.000	ng	0.00
64) Phenanthrene-d10	17.533	188	271436	20.000	ng	0.00
76) Chrysene-d12	21.822	240	245708	20.000	ng	0.00
86) Perylene-d12	25.206	264	241782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	24339	8.141	ng	0.00
7) Phenol-d6	7.304	99	32783	8.018	ng	0.00
23) Nitrobenzene-d5	9.325	82	19945	5.054	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	12004	7.272	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	51873	5.902	ng	0.00
79) Terphenyl-d14	20.124	244	75148	6.060	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.783	165	18622	8.946	ng	# 22
71) Phenanthrene	17.574	178	147814	10.223	ng	98
75) Fluoranthene	19.578	202	165516	9.410	ng	98
78) Pyrene	19.942	202	232034	13.543	ng	97
81) Benzo(a)anthracene	21.804	228	90182	5.413	ng	# 89
83) Chrysene	21.869	228	95588	6.001	ng	96
88) Benzo(b)fluoranthene	24.131	252	72225	4.762	ng	# 84
89) Benzo(k)fluoranthene	24.131	252	72225	4.732	ng	# 84
90) Benzo(a)pyrene	25.042	252	65795	5.077	ng	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 25 17:50:55 2022
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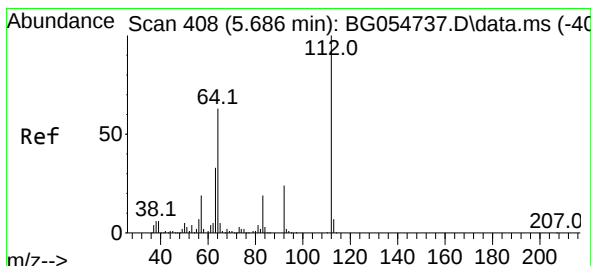
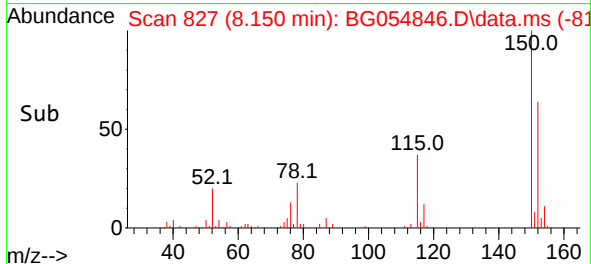
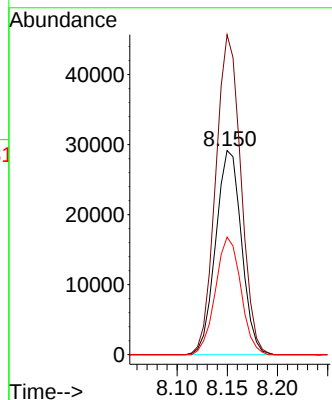
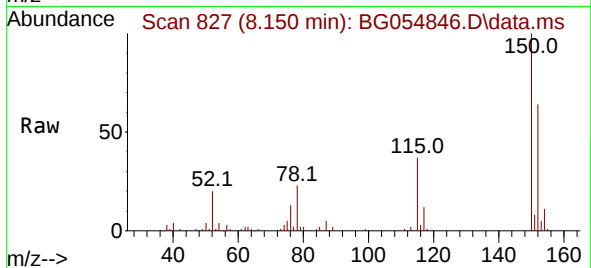




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.150 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

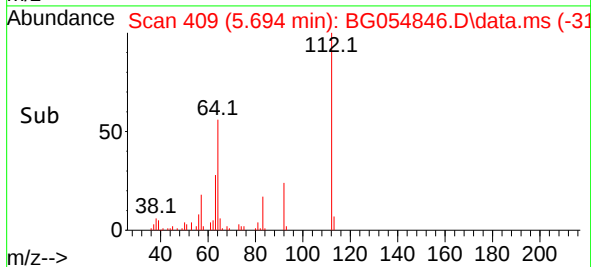
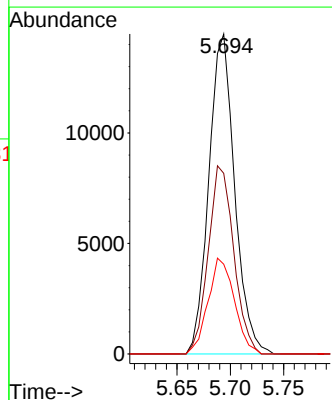
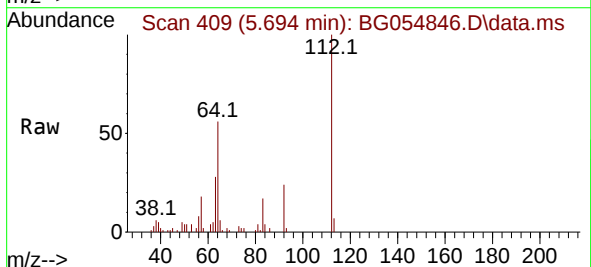
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

Tgt Ion:152 Resp: 52059
Ion Ratio Lower Upper
152 100
150 156.7 125.2 187.8
115 57.6 47.9 71.9



#5
2-Fluorophenol
Concen: 8.141 ng
RT: 5.694 min Scan# 409
Delta R.T. 0.008 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion:112 Resp: 24339
Ion Ratio Lower Upper
112 100
64 56.4 49.3 73.9
63 28.0 26.3 39.5

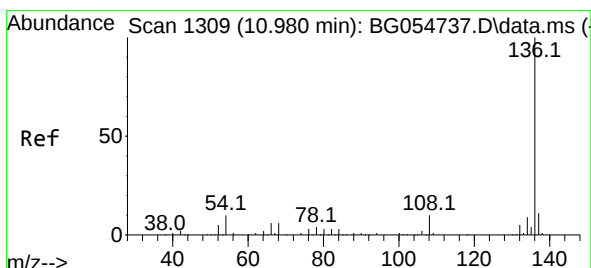
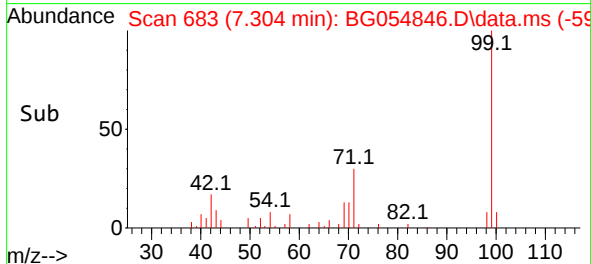
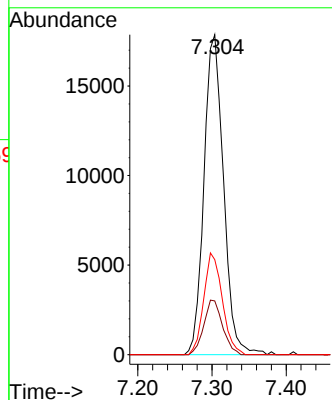
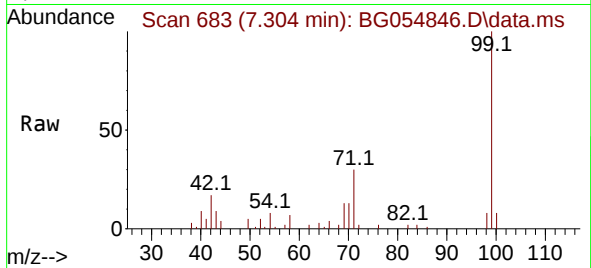




#7
Phenol-d6
Concen: 8.018 ng
RT: 7.304 min Scan# 61
Delta R.T. 0.008 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

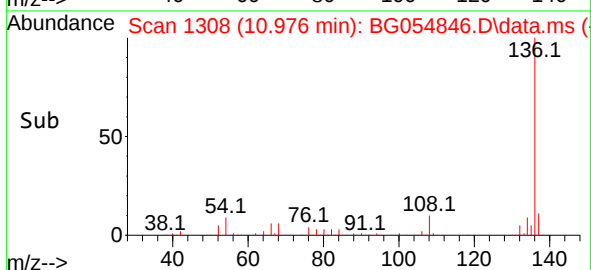
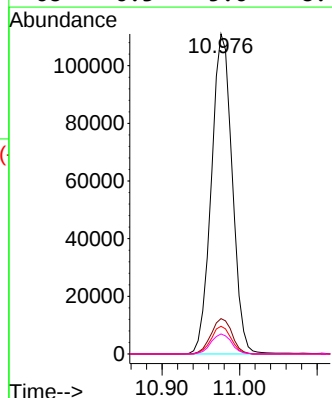
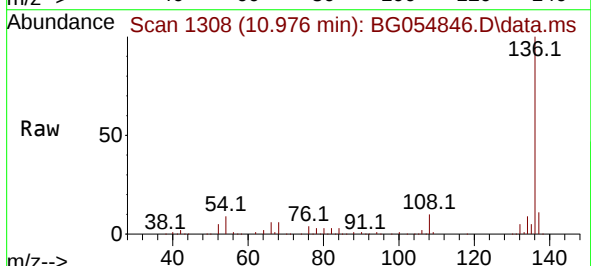
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

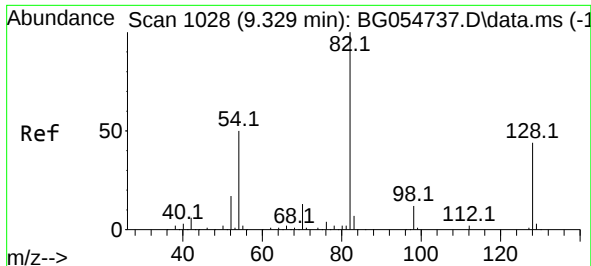
Tgt Ion: 99 Resp: 32783
Ion Ratio Lower Upper
99 100
42 16.8 14.6 22.0
71 29.7 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.976 min Scan# 1308
Delta R.T. -0.004 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion: 136 Resp: 207180
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.7 7.7 11.5
68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.054 ng

RT: 9.325 min Scan# 1028

Delta R.T. -0.004 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

Instrument :

BNA_G

ClientSampleId :

OR-3-090122

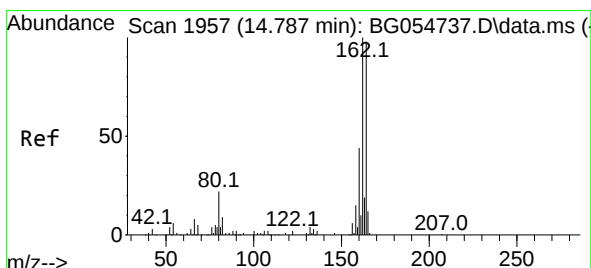
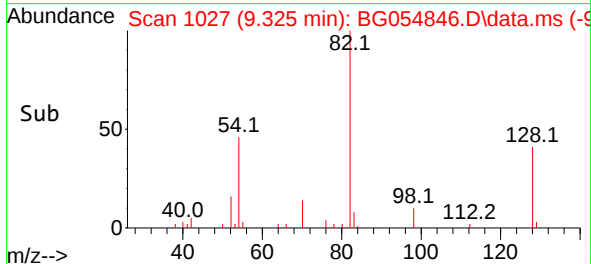
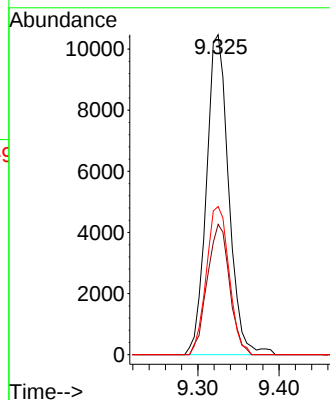
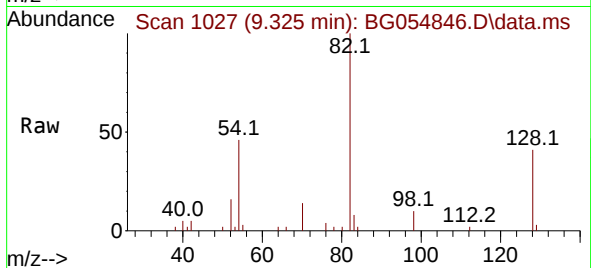
Tgt Ion: 82 Resp: 19945

Ion Ratio Lower Upper

82 100

128 40.7 32.2 48.2

54 46.3 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.783 min Scan# 1956

Delta R.T. -0.004 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

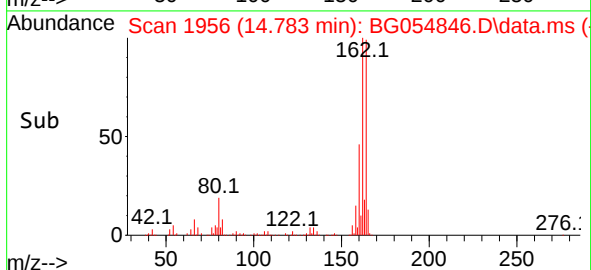
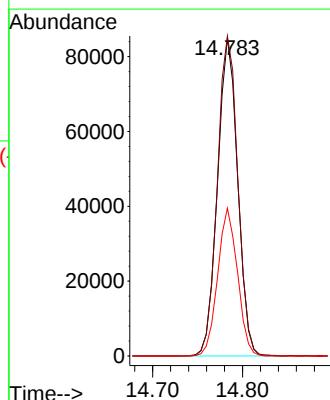
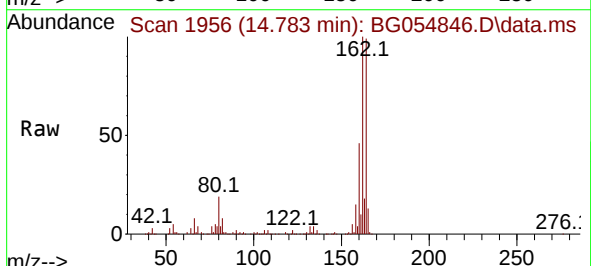
Tgt Ion:164 Resp: 132095

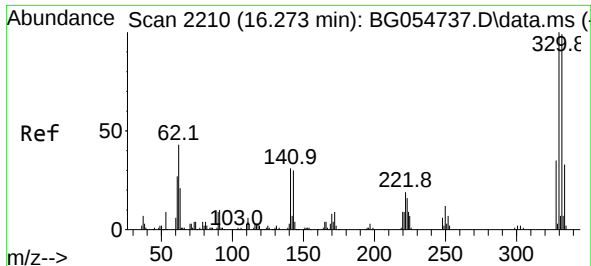
Ion Ratio Lower Upper

164 100

162 100.8 83.0 124.4

160 46.6 38.0 57.0

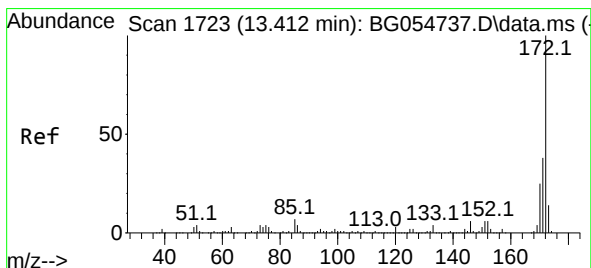
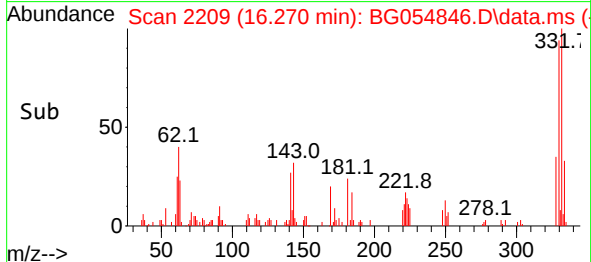
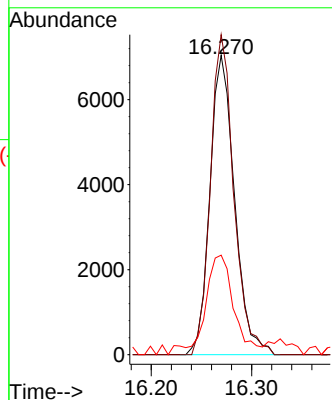
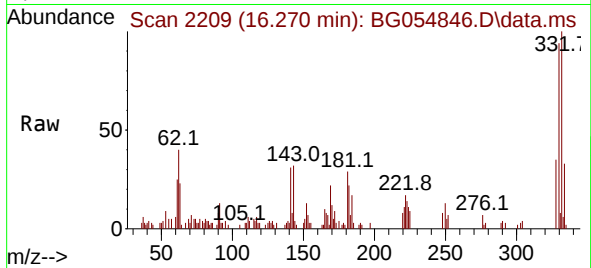




#42
2,4,6-Tribromophenol
Concen: 7.272 ng
RT: 16.270 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

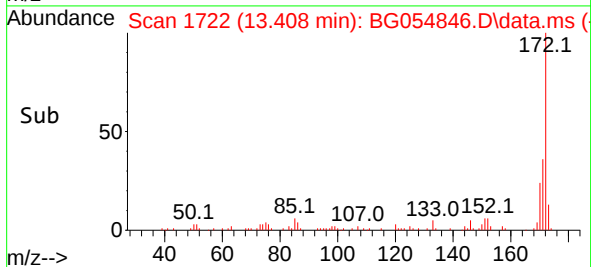
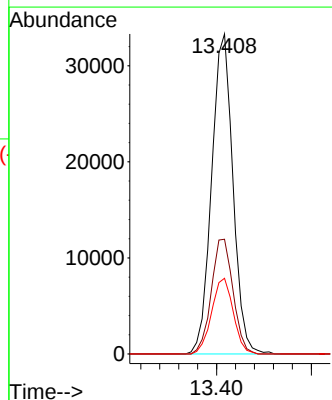
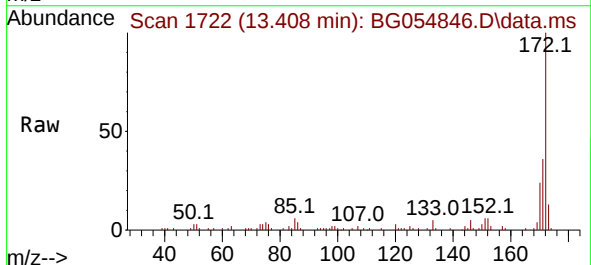
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

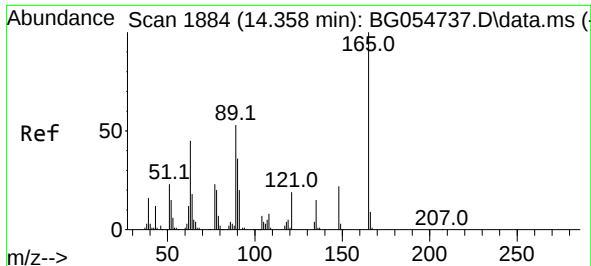
Tgt Ion:330 Resp: 12004
Ion Ratio Lower Upper
330 100
332 101.8 79.8 119.6
141 39.6 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 5.902 ng
RT: 13.408 min Scan# 1722
Delta R.T. -0.004 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion:172 Resp: 51873
Ion Ratio Lower Upper
172 100
171 35.9 31.2 46.8
170 23.7 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 8.946 ng

RT: 14.783 min Scan# 1956

Delta R.T. 0.425 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

Instrument :

BNA_G

ClientSampleId :

OR-3-090122

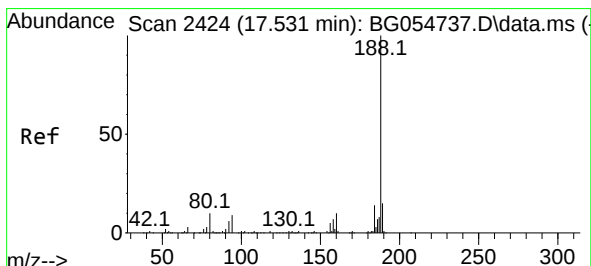
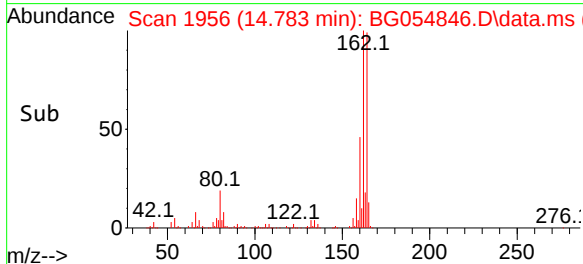
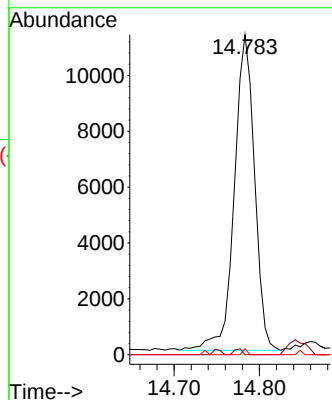
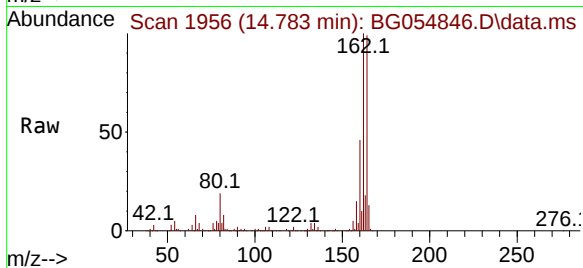
Tgt Ion:165 Resp: 18622

Ion Ratio Lower Upper

165 100

63 0.0 46.0 69.0#

89 1.9 50.3 75.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.533 min Scan# 2424

Delta R.T. 0.002 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

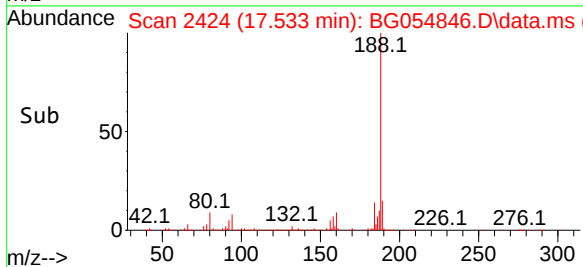
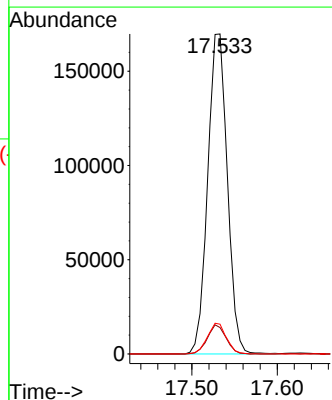
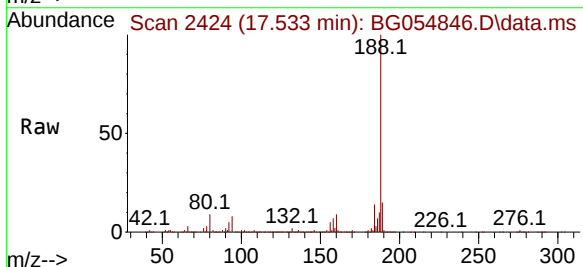
Tgt Ion:188 Resp: 271436

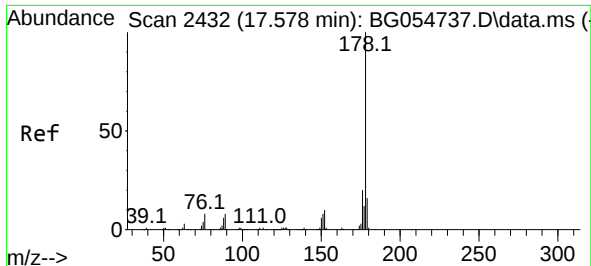
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

80 9.3 7.9 11.9

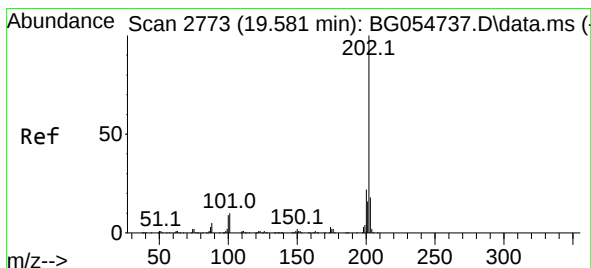
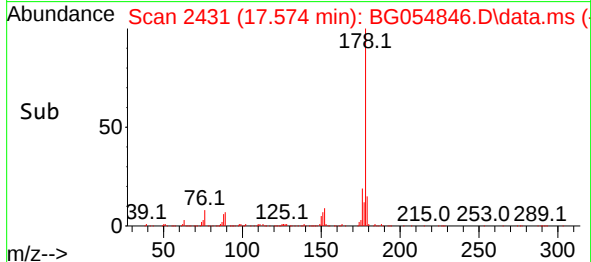
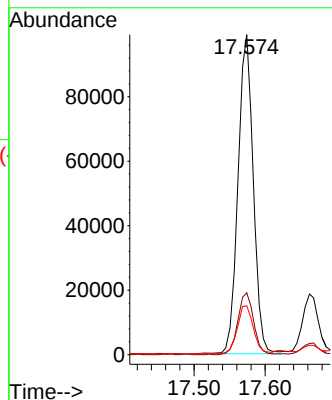
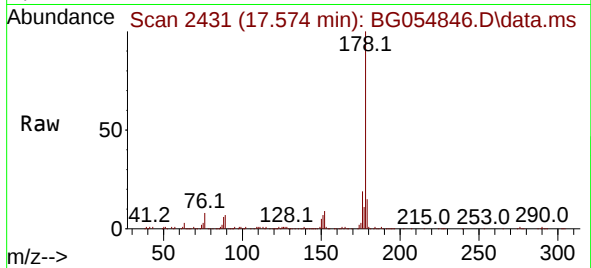




#71
Phenanthrene
Concen: 10.223 ng
RT: 17.574 min Scan# 2432
Delta R.T. -0.004 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

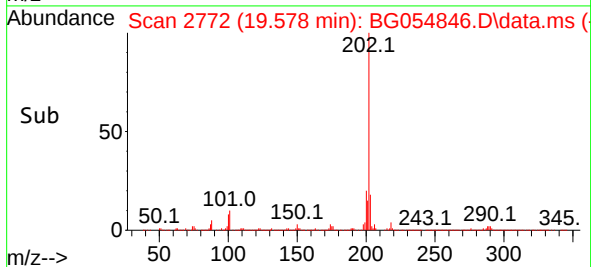
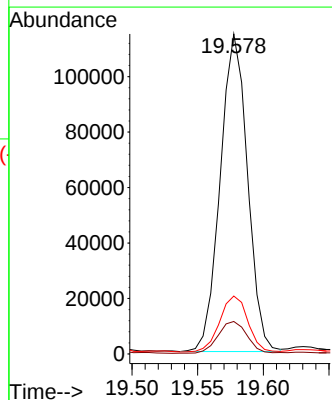
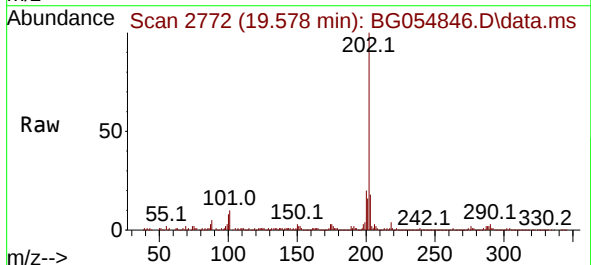
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

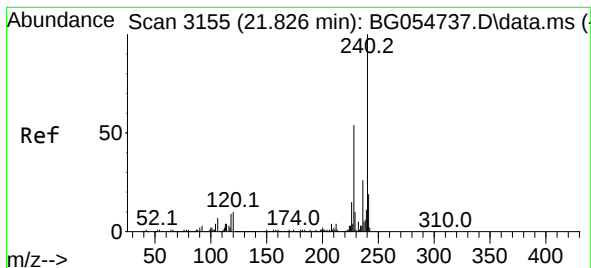
Tgt Ion:178 Resp: 147814
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 15.3 12.8 19.2



#75
Fluoranthene
Concen: 9.410 ng
RT: 19.578 min Scan# 2772
Delta R.T. -0.004 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion:202 Resp: 165516
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 18.1 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.822 min Scan# 3155

Delta R.T. -0.004 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

Instrument :

BNA_G

ClientSampleId :

OR-3-090122

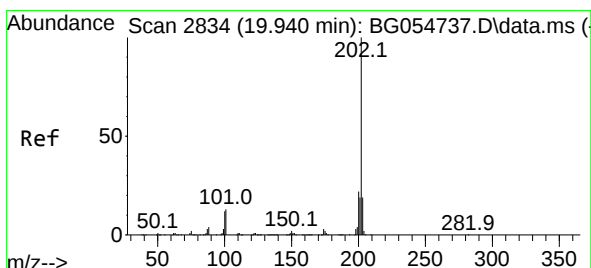
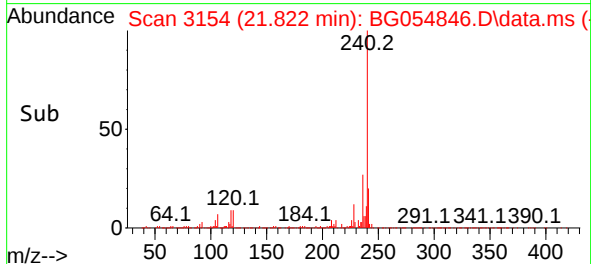
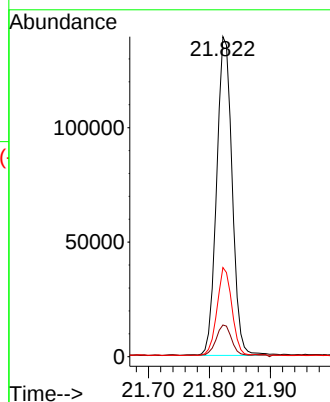
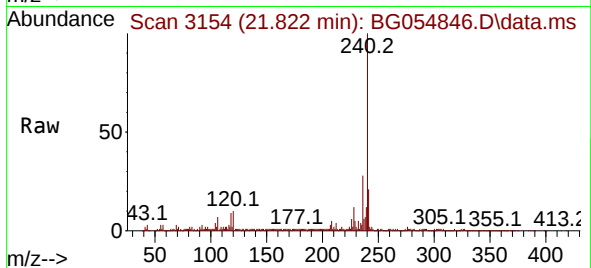
Tgt Ion:240 Resp: 245708

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.4

236 27.9 21.2 31.8



#78

Pyrene

Concen: 13.543 ng

RT: 19.942 min Scan# 2834

Delta R.T. 0.002 min

Lab File: BG054846.D

Acq: 2 Sep 2022 18:59

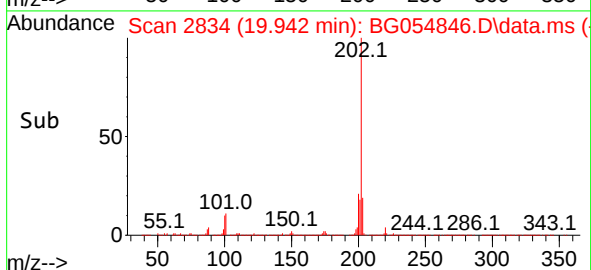
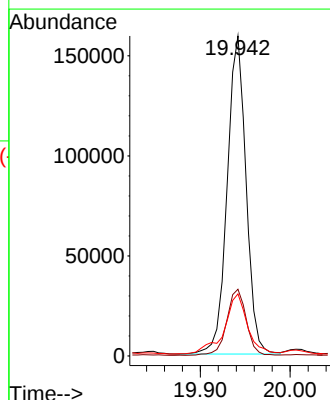
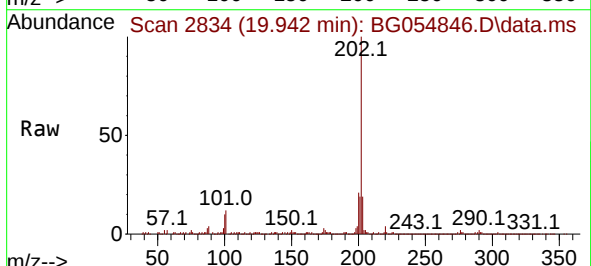
Tgt Ion:202 Resp: 232034

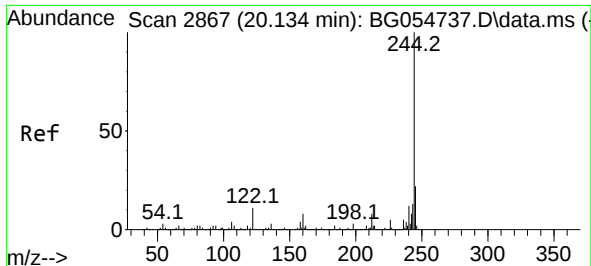
Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

203 19.4 14.6 21.8

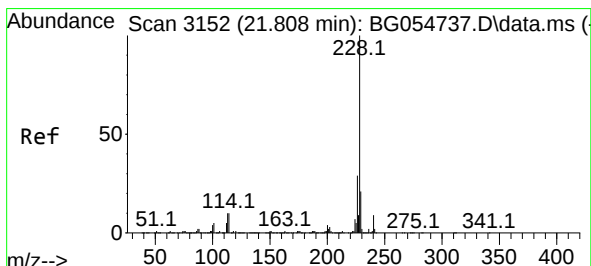
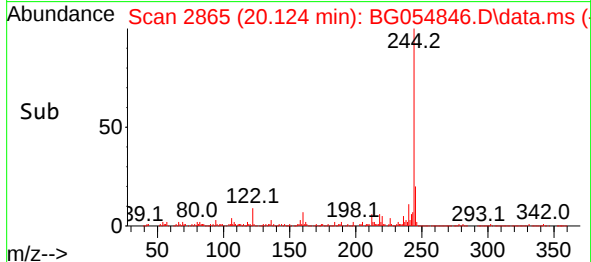
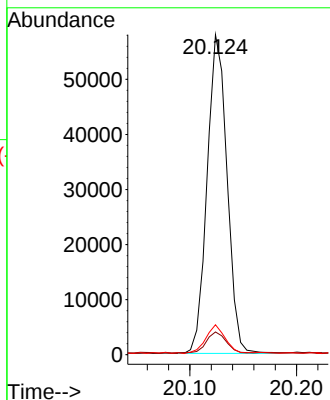
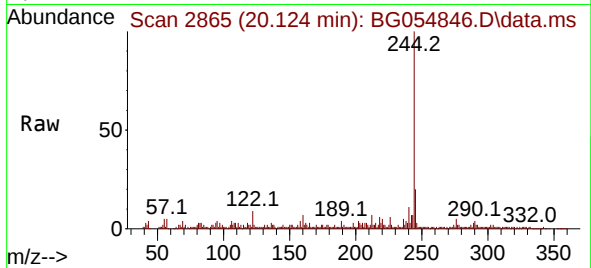




#79
 Terphenyl-d14
 Concen: 6.060 ng
 RT: 20.124 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG054846.D
 Acq: 2 Sep 2022 18:59

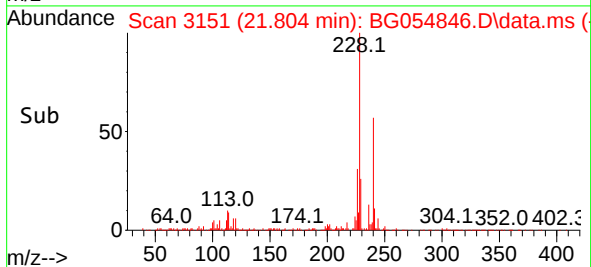
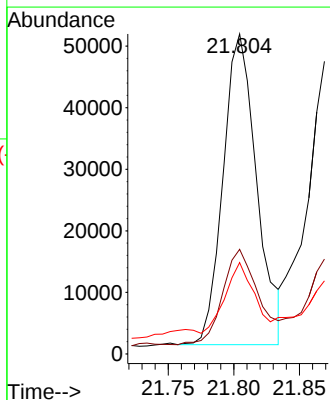
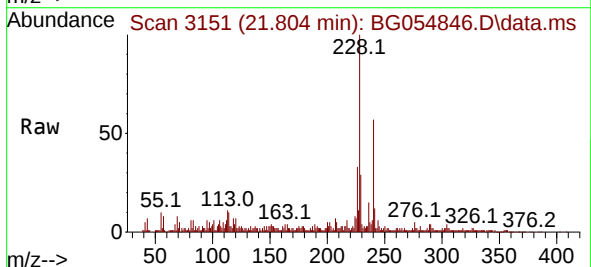
Instrument :
 BNA_G
 ClientSampleId :
 OR-3-090122

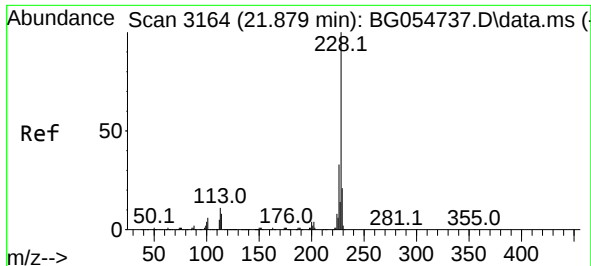
Tgt Ion:244 Resp: 75148
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.3 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 5.413 ng
 RT: 21.804 min Scan# 3151
 Delta R.T. -0.004 min
 Lab File: BG054846.D
 Acq: 2 Sep 2022 18:59

Tgt Ion:228 Resp: 90182
 Ion Ratio Lower Upper
 228 100
 226 32.7 23.4 35.2
 229 28.5 16.5 24.7#

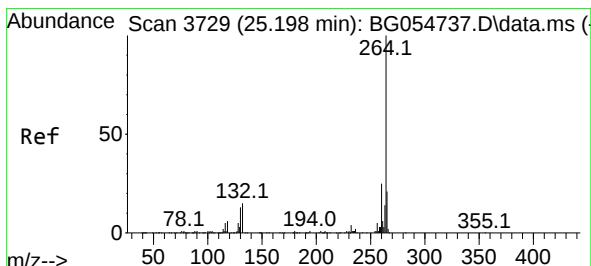
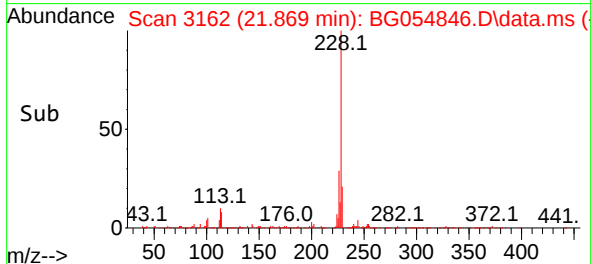
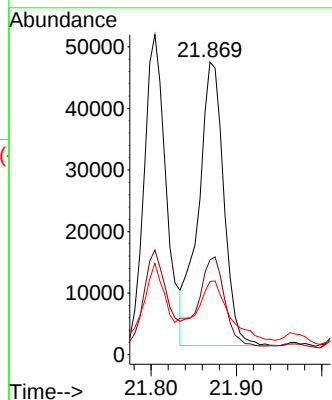
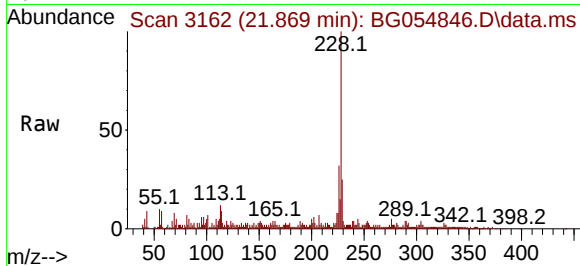




#83
Chrysene
Concen: 6.001 ng
RT: 21.869 min Scan# 3164
Delta R.T. -0.010 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

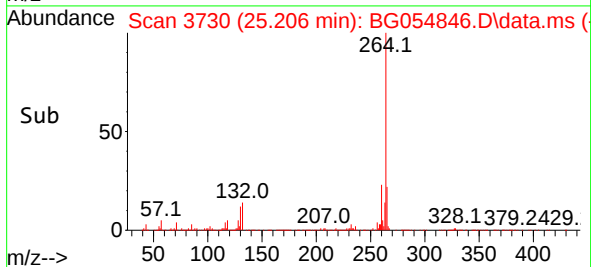
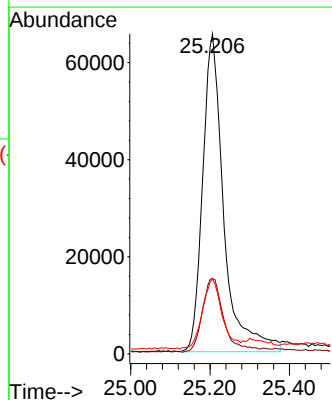
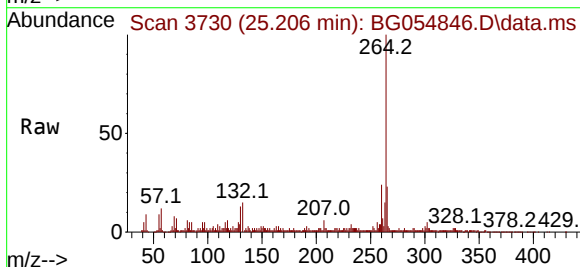
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

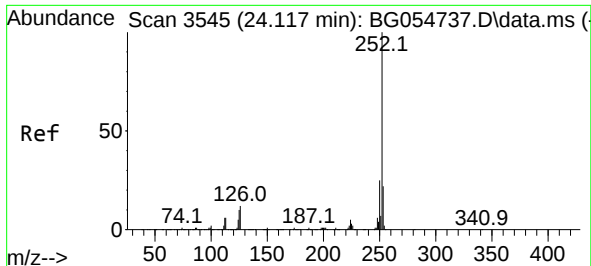
Tgt Ion:228	Resp:	95588
Ion Ratio	Lower	Upper
228	100	
226	32.4	25.5 38.3
229	25.0	16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.206 min Scan# 3730
Delta R.T. 0.008 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion:264	Resp:	241782
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.9 29.9
265	23.4	16.9 25.3

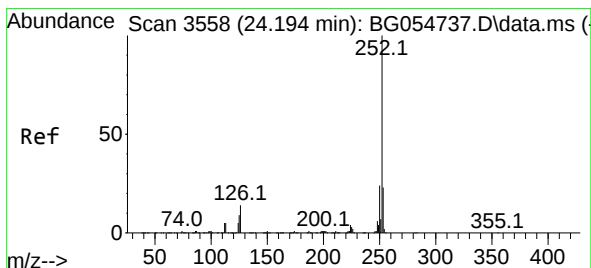
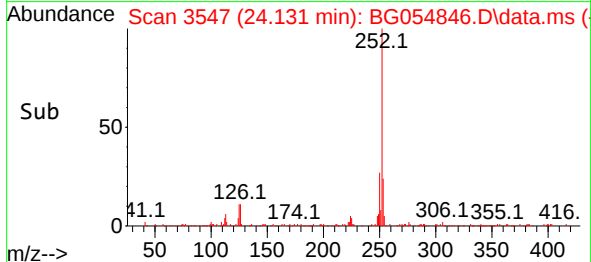
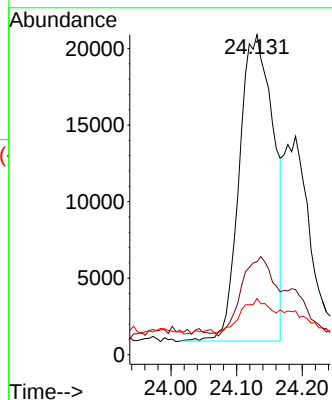
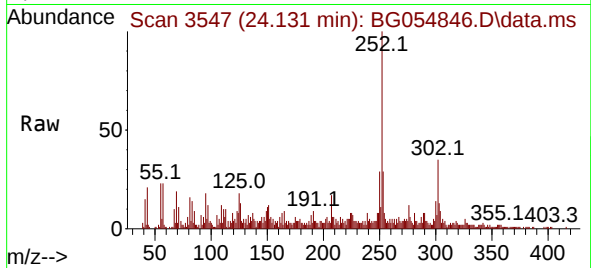




#88
Benzo(b)fluoranthene
Concen: 4.762 ng
RT: 24.131 min Scan# 3547
Delta R.T. 0.014 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

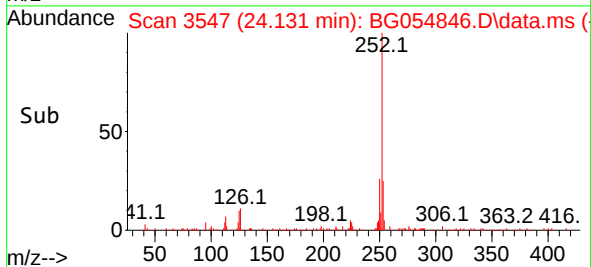
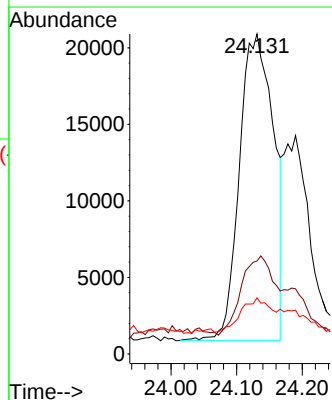
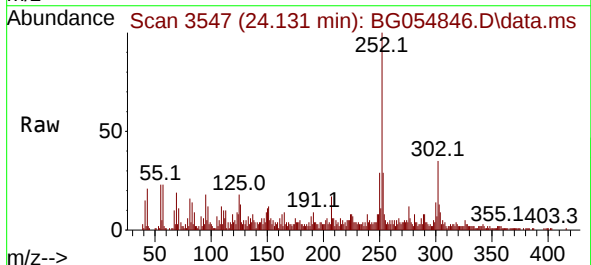
Instrument :
BNA_G
ClientSampleId :
OR-3-090122

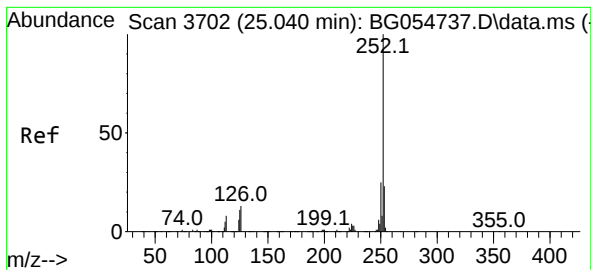
Tgt Ion:252 Resp: 72225
Ion Ratio Lower Upper
252 100
253 29.1 18.0 27.0#
125 17.6 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 4.732 ng
RT: 24.131 min Scan# 3547
Delta R.T. -0.063 min
Lab File: BG054846.D
Acq: 2 Sep 2022 18:59

Tgt Ion:252 Resp: 72225
Ion Ratio Lower Upper
252 100
253 29.1 17.8 26.8#
125 17.6 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 5.077 ng

RT: 25.042 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG054846.D

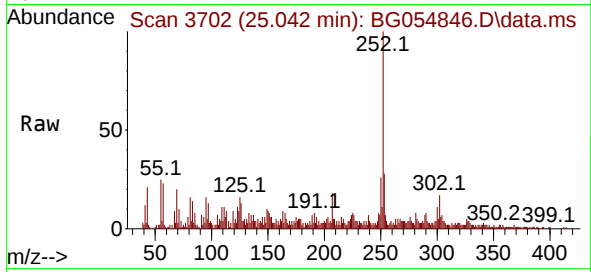
Acq: 2 Sep 2022 18:59

Instrument :

BNA_G

ClientSampleId :

OR-3-090122



Tgt Ion:252 Resp: 65795

Ion Ratio Lower Upper

252 100

253 28.1 18.3 27.5#

125 15.7 8.8 13.2#

